INTERNSHIP DOCUMENT
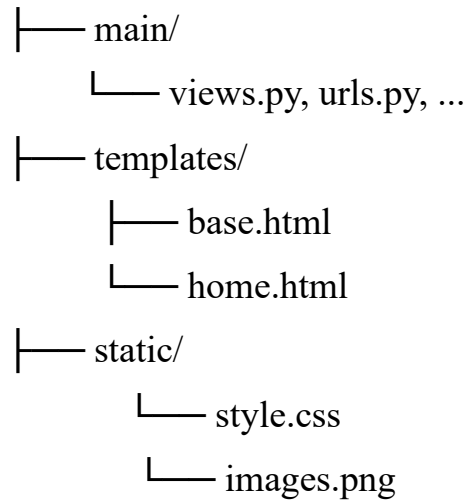
Project Title :   IPO Web App & REST API Development

Intern Name :   Thallapally Manaswi

Internship Duration :   1-Month

Mentor :   Yash Kale

Objective :   As part of my internship, I worked on building an
                          IPO web application aimed at helping users easily
                          view, track, and analyze upcoming IPOs. The main
                          goal was to create a platform that   provides   key
                          IPO details, market trends,   and basic prediction
                          features   to assist users in making better
                          investment decisions.

Technical Stack

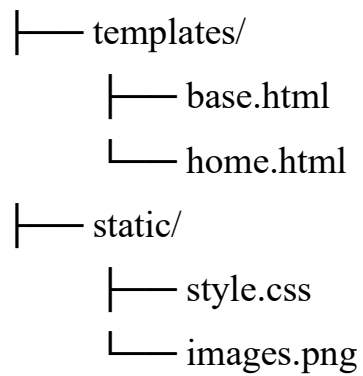Frontend :   HTML,React

Backend :   Django,Python

Database :   PostgreSQL

Hosting Platform: Bluestock.in

Version Control: Using GitHub to display project

Other Tools: Postman

System Architecture

Header structure: mysite/
```
├── main/
    └── views.py, urls.py, ...
├── templates/
    ├── base.html
    └── home.html
├── static/
    └── style.css
        └── images.png
```

Footer Structure: mysite/
```
├── templates/
    ├── base.html
    └── home.html
├── static/
    ├── style.css
    └── images.png
```

Setup of project(Ipo model): mysite/

```
├── main/
        ├── models.py
        ├── views.py
        ├── urls.py
├── templates/
        └── upcoming_ipos.html
├── static/
        └── style.css
```
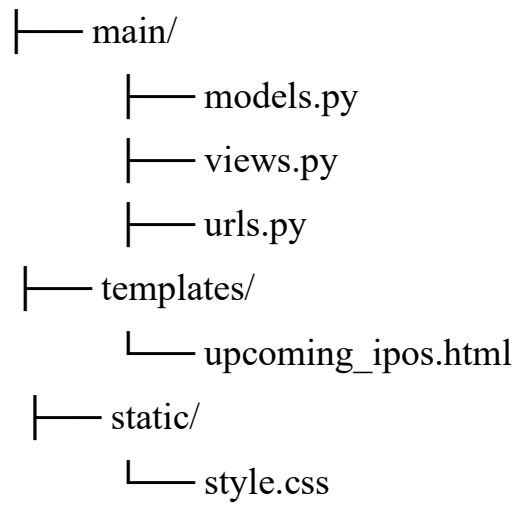
FAQ framework structure: mysite/

```
├── main/
        ├── views.py
        ├── urls.py


├── templates/
        └──faq.html
├── static/
        └── style.css
```
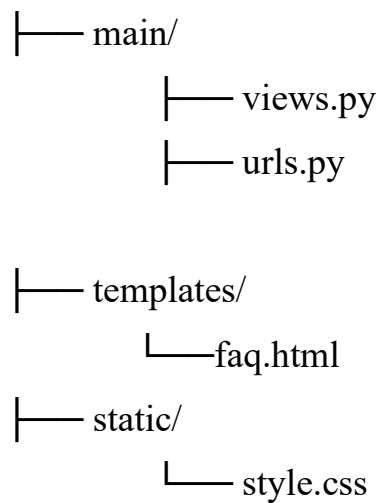
Login form structure : : mysite/

```
├── main/
    ├── Signup
    ├── Signin
├── templates/
        └──fortgot password
```
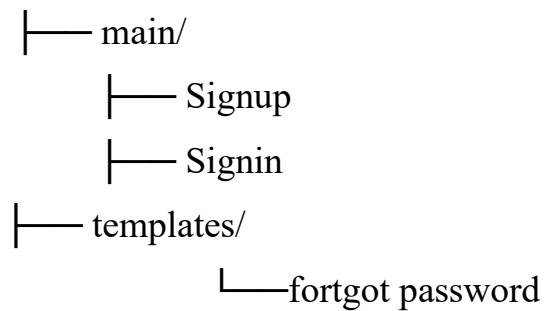
Dashboard Structure: mysite/
                        ├── main/
                                ├── views.py
                                ├── urls.py
                        ├── templates/
                                └──dashboard.html
                        ├── static/
                                └── style.css
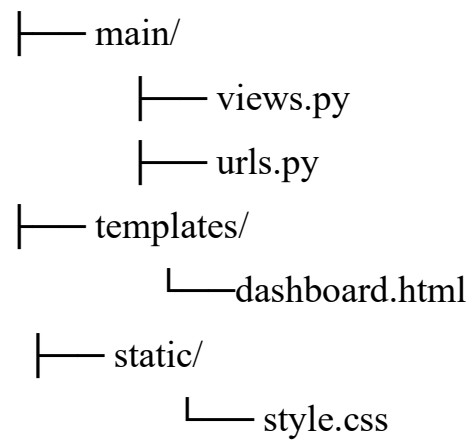
Dummy database design: ├── templates/
                                └── ipolist.js

Deployment Prerequisites

System requirements   :

Software Requirements :

Backend   :

    Python   :   3.10+ (Recommended: 3.10 or 3.11)

    Django REST Framework: 3.14+

    Database   :   PostgreSQL

Frontend   :

    React.js   :   18.x

Hardware Requirements :

For Development   :

Component		Recommended Specs
RAM	:	8 GB (min), 16 GB preferred
Storage	:	SSD with at least 10–15 GB free
OS	:	Windows 10 / Ubuntu 20.04+ / macOS
Internet	:	Stable connection

Deployment Steps

Clone repository   :   Thallapally Manaswi (22r01a73c4)

Install dependencies   :   Install the applications mentioned

                                             To check installations in bash give commands as

                                             For python - python –version

                                             For Django - pip show django

                                             Make sure your terminal is in the folder where

                                             `manage.py` exists.

Setup .env file   :   Set up the environment while installing

Run local server   :

                                bash :   django-admin startproject bluestock_project

                                         cd bluestock_project

                                         python manage.py startapp app

Application   : upload the code

                                  install required packages

                                run the code

Testing & Validation

Testing : API Postman testing

Apha testing

References

Github – Thallapally Manaswi (22r01a73c4)

Folder Name: Web-Application_BS